

NAVISTAR, INC

DEFECT INFORMATION REPORT

TO: Manager
Engine Programs Group (6405J)
Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460

REPORT ID: 15-BBI6-18100537-01
Revision.: -
Ref. Investigation.: -
Ref. AFC:-
Ref. VERR:-

FROM: Dave Polivka
Emissions Certification and Compliance
Navistar, Inc.
2601 Navistar Dr.
Lisle, IL 60532
Building 2-Floor 3-P29-1

DATE : December 22, 2015

The following Defect Information Report is submitted in accordance with 40 CFR §1068.501. This report addresses a calibration defect which prevents the Aftertreatment Control Module (ACM) from broadcasting the intended Calibration Verification Number (CVN) for its calibration and a calibration defect that prevents the CVN from being broadcast for any diagnostic-critical controller (e.g., NOx sensors, NH3 sensors) as required by OBD regulation.

[40 CFR §1068.501(d)(1)] MANUFACTURER CONTACT INFORMATION

Dave Polivka
Emissions Certification and Compliance
Navistar, Inc.
2601 Navistar Dr.
Lisle, IL 60532
Building 2-Floor 3-P29-1
(331)-332-5662

[40 CFR §1068.501(d)(2)] DEFECT DESCRIPTION

A discrepancy was discovered between ACM CVN's in pre-production and production vehicles. CVN's are used to determine if a calibration has changed in any way (such as tampering). An investigation concluded the content of two bytes of unused memory had been changed when the ACM calibration was released to the production environment (reason unknown). In addition, it was determined a parameter responsible for broadcasting CVN's for diagnostic-critical sensors (DM19 messages) had never been enabled.

[40 CFR §1068.501(d)(3)] DESCRIPTION OF VEHICLES/ENGINES AFFECTED

All Navistar engines utilizing SCR aftertreatment systems are affected.

<u>Engine Family Name</u>	<u>Model Year</u>	<u>Engine Model</u>	<u>Engine Plant Ship Dates</u>
DNVXH07570SB	2013	N13	2013
ENVXH05700SA	2014	N9/10	2014
ENVXH07570SB	2014	N13	2014
FNVXH05700SA	2015	N9/10	2015
FNVXH07570SB	2015	N13	2015

[40 CFR §1068.501(d)(4)] NUMBER OF ENGINES ESTIMATED TO HAVE DEFECT

<u>Engine Family Name</u>	<u>Number of Engines Affected</u>	<u>Total US Production</u>	<u>Percent of Family Affected</u>
DNVXH07570SB	5,298	5,298	100%
ENVXH05700SA	1,212	1,212	100%
ENVXH07570SB	7,758	7,758	100%
FNVXH05700SA	3,767 (estimated)	3,767 (estimated)	100%
FNVXH07570SB	13,853 (estimated)	13,853 (estimated)	100%

[40 CFR §1068.501(d)(5)] EVALUATION OF EMISSIONS IMPACT

These defects have no impact on emissions but do affect OBD requirement compliance.

[40 CFR §1068.501 (d)(6)] ANTICIPATED MANUFACTURER FOLLOW-UP

Navistar is currently reviewing its options with respect to implementing corrective action.

Dave Polivka
Emissions Certification and Compliance
331-332-5662